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(54) Title: **ADENYLATE CYCLASE IN THE TREATMENT AND/OR PROPHYLAXIS OF IMMUNE-MEDICATED DISEASE**

(57) Abstract: Adenylate cyclase toxin (CyaA) or derivative or mutant or fragment or variant or peptide thereof may be used for the treatment and/or prophylaxis of an inflammatory and/or immune-mediated disorder and/or autoimmune disease. The adenylate cyclase toxin (CyaA) may be combined with self or foreign antigens or peptides thereof.

WO 2005/035557 A2